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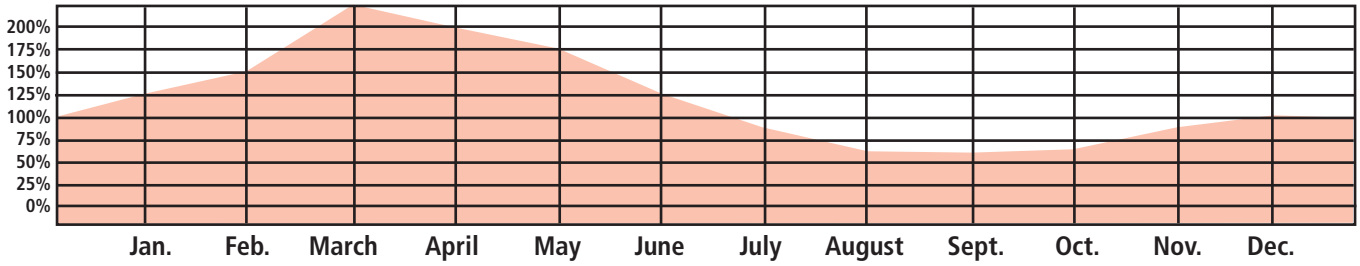
Student Worksheet

Fire & Plants
Investigation

Fuel Moisture Lab



A. Describe the cycle of plant moisture levels in the Santa Monica Mountains using the hypothetical graph above. _____

B. Record the results of the *Fuel Moisture Lab* below:

Plant Species	Can No.	A	B	C	D	E	F
		Gross Wet Wt.	*Gross Dry Wt.*	*Empty Can Wt.*	*Dry Fuel Loss* (B — C)	*Weight Loss* (A — B)	*% Moisture* (E ÷ D x 100)
Month/Season							

C. Using complete sentences, answer the questions based on the data collected in the *Fuel Moisture Lab*:

1. What was the moisture level of your sample? What do you think influenced this?

2. How did the moisture level of your sample compare to other samples collected? What do you think was the cause of any differences? _____

3. How do you think the relative humidity, cloud and plant conditions or month/season relate to the fuel moisture content of your sample? _____

4. How would the information gathered on fuel moisture levels help firefighters?